Luminaire

Code	11723234356
Name	YUYUN_S11L_SIST_24VDC
Line	

Measurem.

Code	
Name	YUYUN_S11L_SIST_24VDC

Source Data

Code	JB2835BWT-G-U22EA0000 JB2835BWT-G-U27EA0004	Estimated Color Temperature (CCT)	2229K	Q.ty	1
Name	CREE	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	06-10-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	2639.6 lm
Maximum	185.14 cd/klm	Position	C=0.0° G=37.5°

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	79.20 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

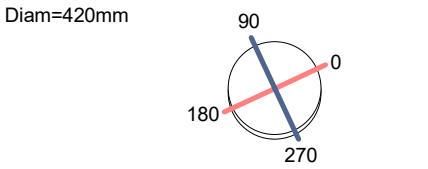
Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	40.2 %		

Luminaire Dimensions

Round Luminaire	Diam.	420 mm	Height	1980 mm	
Round Luminous Area	Diam.	420 mm	Height	1980 mm	
Horizontal Luminous Area	0.138544 m2		Emitting area on Plane 180°		0.831600 m2
Emitting area on Plane 0°	0.831600 m2		Emitting area on Plane 270°		0.831600 m2
Emitting area on Plane 90°	0.831600 m2		Glare area at 76°		0.840415 m2

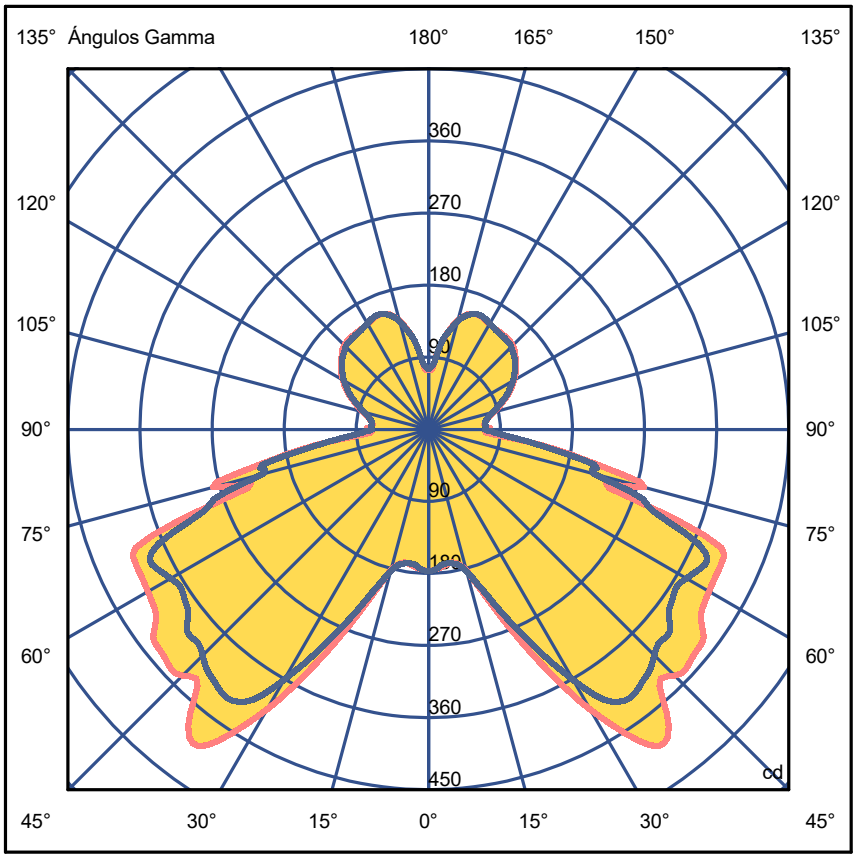
Photometric Assessment

Luminaire Flux	2639.6 lm	Source Flux	2639.6 lm
Efficacy	33.328 lm/W	Efficiency	100.0 %
CIE Flux Codes	27 61 89 73 100	D DIN 5040	B11
F UTE	0.73 I + 0.27 T	B NBN	BZ 7 / 1.5 / BZ 6





ULOR 27.36 %
DLOR 72.64 %
RN 27.36 %



Luminaire
Code 11723234356
Name YUYUN_S11L_SIST_24VDC
Measurem.
Code
Name YUYUN_S11L_SIST_24VDC

Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

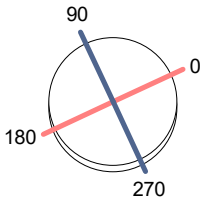
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	177	177	177	177	177	177	177
G 2.5	175	174	174	175	176	176	176
G 5.0	173	172	172	171	172	171	171
G 7.5	170	170	171	170	170	170	169
G 10.0	169	169	170	171	171	170	170
G 12.5	172	172	173	175	177	176	173
G 15.0	182	180	181	187	188	187	184
G 17.5	204	197	195	205	206	207	201
G 20.0	235	222	217	231	233	235	225
G 22.5	272	254	246	262	266	268	255
G 25.0	313	291	280	297	304	305	287
G 27.5	358	330	318	335	344	344	324
G 30.0	404	371	357	372	385	383	361
G 32.5	445	413	394	411	423	419	397
G 35.0	482	449	421	439	448	444	415
G 37.5	489	461	429	447	456	448	419
G 40.0	463	439	413	438	450	444	414
G 42.5	427	413	391	429	443	442	409
G 45.0	435	413	384	421	432	423	399
G 47.5	439	411	379	423	427	418	392
G 50.0	434	406	385	424	427	424	393
G 52.5	433	408	387	418	414	409	378
G 55.0	415	399	378	417	412	409	372
G 57.5	408	395	375	410	406	405	367
G 60.0	405	395	377	406	404	404	372
G 62.5	403	396	378	405	402	405	380
G 65.0	402	397	379	404	404	404	384
G 67.5	401	381	359	373	373	368	356
G 70.0	329	319	298	310	309	310	298
G 72.5	230	256	258	290	289	292	274
G 75.0	279	246	214	221	221	218	213
G 77.5	233	236	215	222	224	222	216
G 80.0	181	185	170	181	182	182	174
G 82.5	133	138	129	138	139	136	132
G 85.0	89	94	92	101	103	106	99
G 87.5	71	77	76	80	82	87	82
G 90.0	77	81	76	72	72	71	71
G 92.5	73	79	76	73	74	73	72
G 95.0	70	75	73	71	72	71	71
G 97.5	72	75	72	72	72	71	71
G100.0	75	76	74	75	74	74	74
G102.5	79	80	78	79	78	77	77
G105.0	84	84	83	84	83	83	83
G107.5	91	91	89	90	90	89	89
G110.0	98	99	97	97	97	96	96
G112.5	105	105	104	103	104	103	103
G115.0	112	112	111	110	110	110	110
G117.5	118	118	117	116	116	116	116
G120.0	124	123	123	122	122	122	122
G122.5	129	128	128	127	127	127	127
G125.0	133	133	132	132	131	131	132
G127.5	137	137	136	136	136	136	136
G130.0	142	141	140	140	140	139	140
G132.5	146	145	144	143	143	143	143
G135.0	149	148	147	146	146	146	146
G137.5	150	149	148	148	148	147	147
G140.0	150	149	148	148	149	148	148
G142.5	150	149	148	149	149	149	149
G145.0	151	149	149	149	149	149	149
G147.5	151	150	149	150	150	151	151
G150.0	152	151	151	151	152	152	153
G152.5	154	152	152	152	154	155	155
G155.0	156	153	152	153	154	156	156
G157.5	156	153	151	152	153	155	156
G160.0	154	151	149	149	150	152	153
G162.5	148	146	145	144	145	146	148
G165.0	141	138	137	137	137	138	139
G167.5	130	128	127	127	127	128	128
G170.0	117	116	115	114	115	116	118
G172.5	103	101	100	100	101	102	102
G175.0	84	82	82	83	84	84	84
G177.5	74	73	75	76	78	79	79
G180.0	75	75	75	75	75	75	75

Luminaire
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Measurem.
Code
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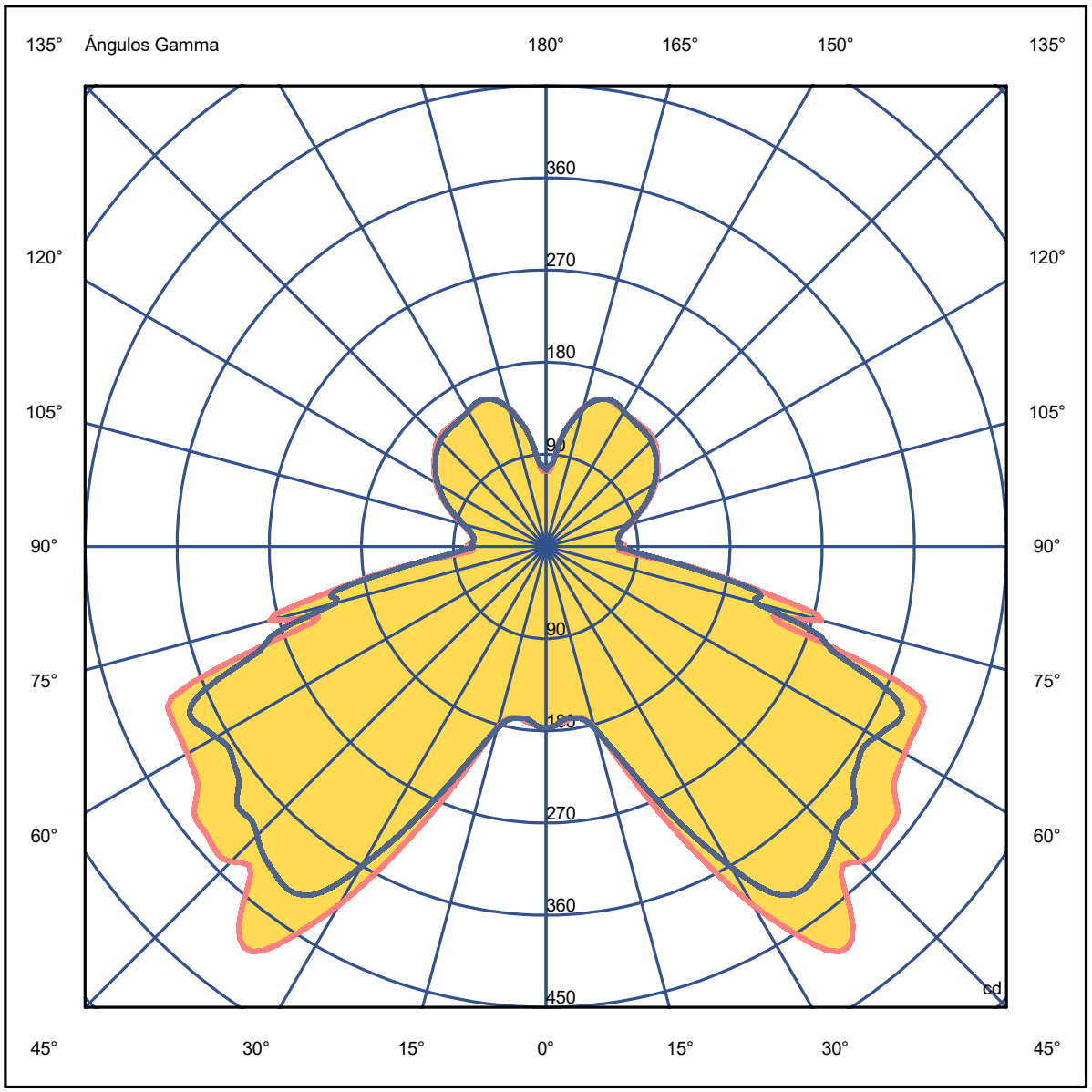
Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C





Luminaire
Code 11723234356
Name YUYUN_S11L_SIST_24VDC
Measurem.
Code
Name YUYUN_S11L_SIST_24VDC

Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	9.3	10.5	10.0	11.2	12.0	9.5	10.7	10.1	11.3	12.1
x=2H y=3H	11.2	12.3	11.9	13.0	13.8	11.2	12.3	11.9	13.0	13.8
x=2H y=4H	11.8	12.8	12.5	13.5	14.4	11.8	12.7	12.4	13.5	14.3
x=2H y=6H	12.3	13.2	13.0	13.9	14.8	12.1	13.1	12.9	13.8	14.7
x=2H y=8H	12.4	13.3	13.1	14.0	14.9	12.2	13.1	13.0	13.9	14.7
x=2H y=12H	12.4	13.2	13.1	14.0	14.9	12.3	13.1	13.0	13.9	14.8
x=4H y=2H	10.1	11.1	10.8	11.8	12.7	10.2	11.2	10.9	11.9	12.8
x=4H y=3H	12.0	12.8	12.7	13.6	14.5	12.1	12.9	12.8	13.6	14.5
x=4H y=4H	12.6	13.4	13.4	14.2	15.1	12.6	13.4	13.4	14.2	15.1
x=4H y=6H	13.2	13.9	14.0	14.7	15.6	13.2	13.8	13.9	14.6	15.6
x=4H y=8H	13.4	14.0	14.2	14.8	15.7	13.3	13.9	14.1	14.7	15.7
x=4H y=12H	13.4	14.0	14.2	14.8	15.8	13.4	13.9	14.2	14.8	15.7
x=8H y=4H	12.8	13.5	13.6	14.2	15.2	12.9	13.5	13.6	14.3	15.2
x=8H y=6H	13.5	14.1	14.4	14.9	15.9	13.5	14.0	14.3	14.8	15.8
x=8H y=8H	13.8	14.2	14.6	15.0	16.0	13.7	14.2	14.6	15.0	16.0
x=8H y=12H	13.9	14.3	14.7	15.1	16.1	13.9	14.3	14.7	15.1	16.1
x=12H y=4H	12.8	13.4	13.6	14.2	15.2	12.8	13.4	13.6	14.2	15.2
x=12H y=6H	13.6	14.0	14.4	14.9	15.9	13.5	14.0	14.4	14.8	15.8
x=12H y=8H	13.8	14.2	14.7	15.0	16.1	13.8	14.2	14.6	15.0	16.0

Luminaire
Code 11723234356
Name YUYUN_S11L_SIST_24VDC
Measurem.
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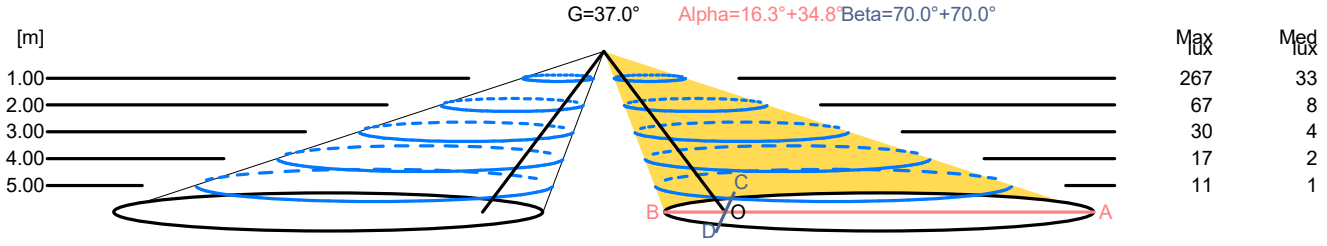
Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

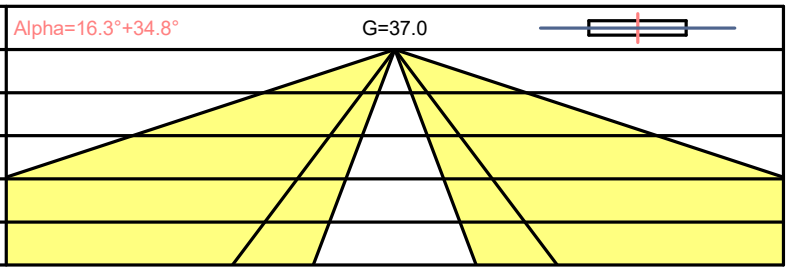
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.29	4.58	6.88	9.17	11.46	OC	3.43	6.87	10.30	13.73	17.16
OB	0.38	0.75	1.13	1.50	1.88	OD	3.43	6.87	10.30	13.73	17.16

Luminous Intensities [cd]

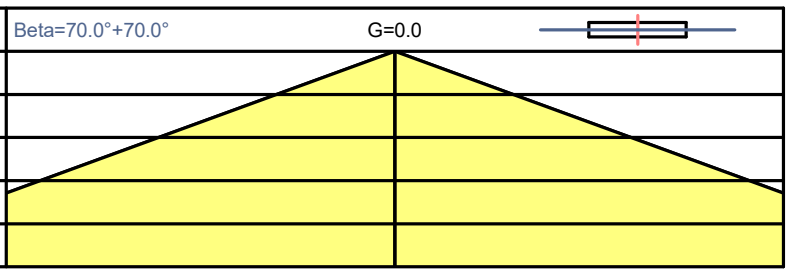
	0	5	15	25	35	45	55	65	75	85
OA	176.91	172.98	182.49	312.71	481.57	435.15	415.38	402.48	278.84	88.86
OB	176.91	172.98	182.49	312.71	481.57	435.15	415.38	402.48	278.84	88.86
OC	176.91	170.84	183.78	286.89	415.18	398.81	371.60	384.39	212.93	99.24
OD	176.91	170.84	183.78	286.89	415.18	398.81	371.60	384.39	212.93	99.24



H[m]	D[m]	Max lux	Med lux
1.00	2.67	267	33
2.00	5.33	67	8
3.00	8.00	30	4
4.00	10.67	17	2
5.00	13.34	11	1



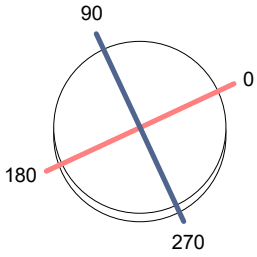
H[m]	D[m]	Max lux	Med lux
1.00	6.87	267	33
2.00	13.73	67	8
3.00	20.60	30	4
4.00	27.46	17	2
5.00	34.33	11	1



Luminaire
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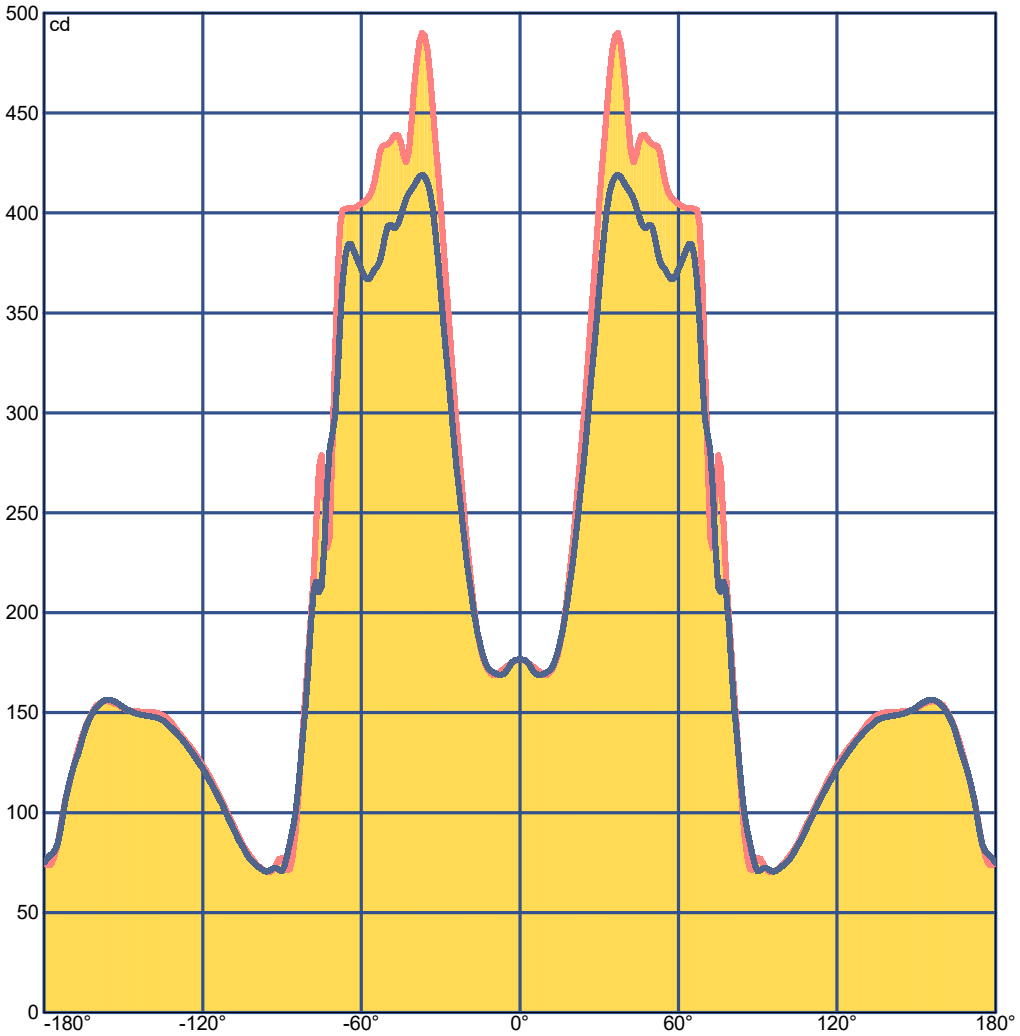
Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C





Luminaire
Code 11723234356
Name YUYUN_S11L_SIST_24VDC
Measurem.
Code
Name YUYUN_S11L_SIST_24VDC

Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Flujo Total=2639.56 Flujo Luminaria=2639.56

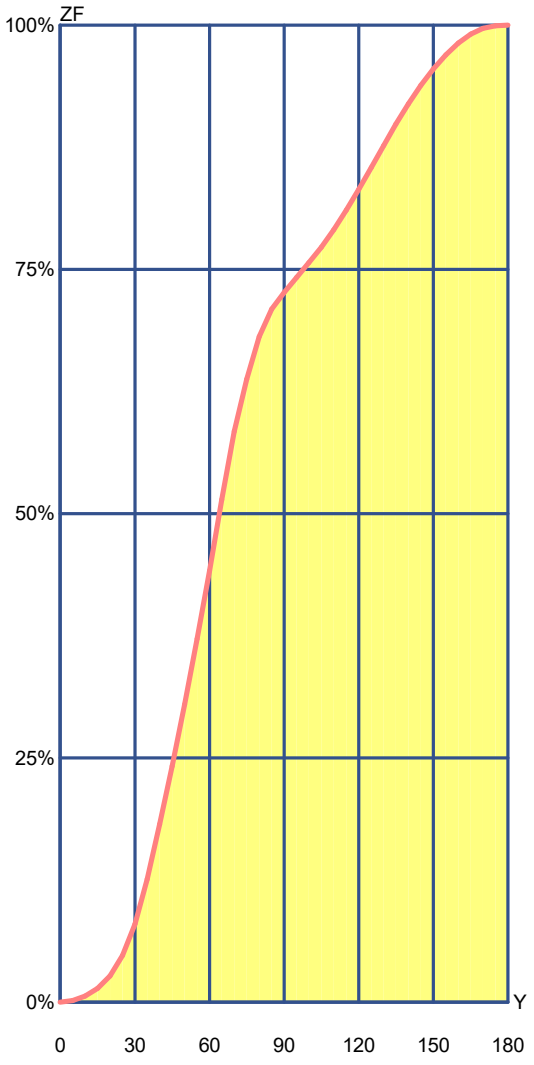
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.17	0.24	0.31	0.38	0.44	0.54	0.61	0.66	0.73	0.78	0.88	0.94
RC	9	8	8	8	8	8	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	6	27	80	182	305	441	584	681	726	757	791	832	877	919	955	982	997	1000

Códigos de Flujo C.I.E.
27 61 89 73 100

C.I.E.	9/8/8/8/8/8/7/7/7/7/7/7	LOR	100.00000 %
D DIN 5040	B11	ULOR	27.35966 %
F UTE	0.73 I + 0.27 T	DLOR	72.64034 %
B NBN	BZ 7 / 1.5 / BZ 6	UFF	27.35966 %
RN	27.35966 %	DFF	72.64034 %
BLF	1.0	FFR	37.66455 %



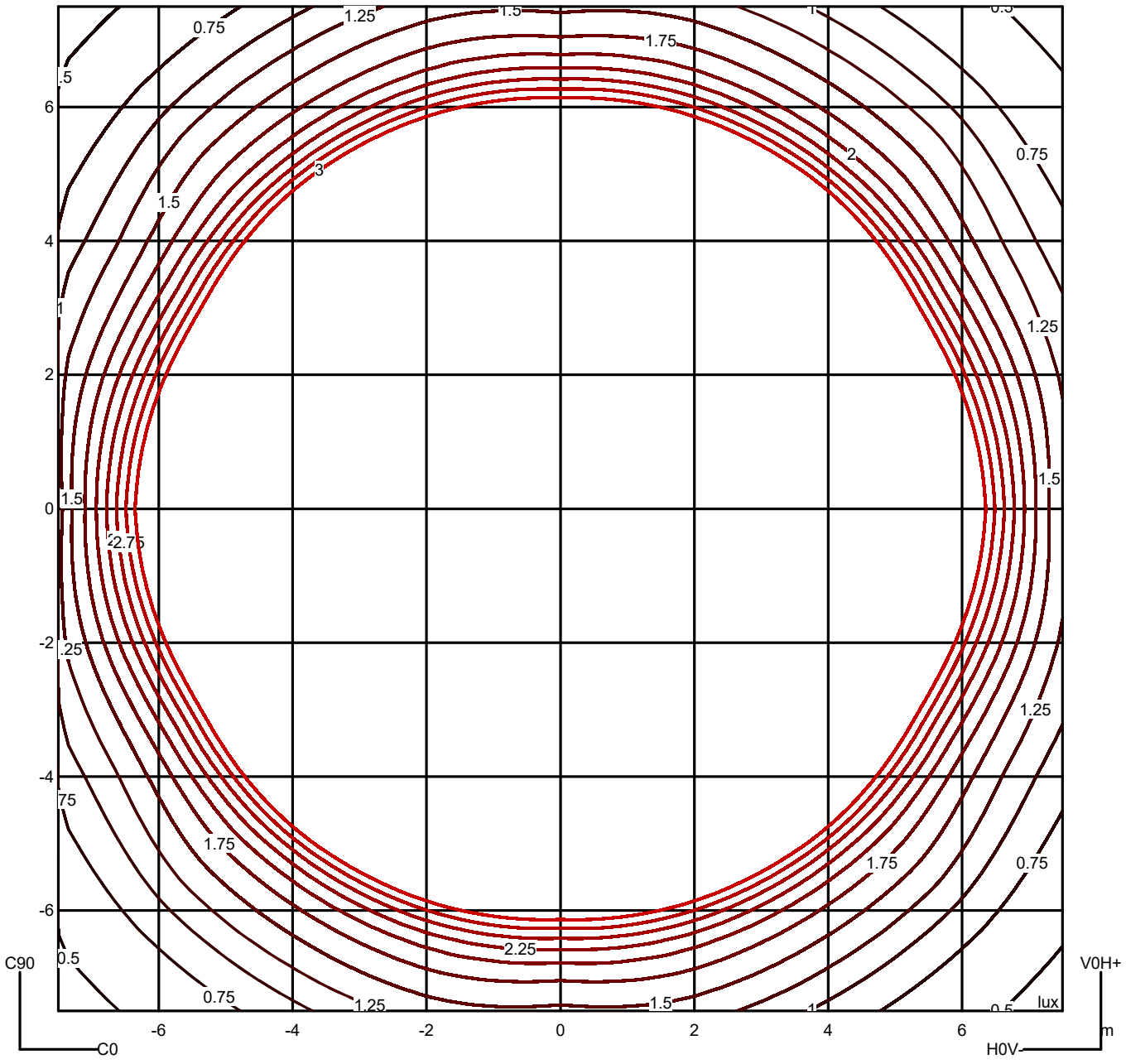
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.58	1.58	0.16 %	0.16 %
10°	4.62	6.20	0.46 %	0.62 %
15°	7.91	14.11	0.79 %	1.41 %
20°	12.79	26.90	1.28 %	2.69 %
25°	20.81	47.71	2.08 %	4.77 %
30°	32.25	79.96	3.23 %	8.00 %
35°	45.92	125.88	4.59 %	12.59 %
40°	56.16	182.04	5.62 %	18.20 %
45°	59.52	241.56	5.95 %	24.16 %
50°	63.26	304.82	6.33 %	30.48 %
55°	67.08	371.91	6.71 %	37.19 %
60°	69.59	441.49	6.96 %	44.15 %
65°	73.00	514.49	7.30 %	51.45 %
70°	69.56	584.05	6.96 %	58.41 %
75°	53.59	637.64	5.36 %	63.76 %
80°	43.33	680.98	4.33 %	68.10 %
85°	28.23	709.21	2.82 %	70.92 %
90°	17.20	726.40	1.72 %	72.64 %
95°	15.37	741.77	1.54 %	74.18 %
100°	14.99	756.76	1.50 %	75.68 %
105°	15.94	772.70	1.59 %	77.27 %
110°	17.81	790.51	1.78 %	79.05 %
115°	19.93	810.44	1.99 %	81.04 %
120°	21.49	831.93	2.15 %	83.19 %
125°	22.30	854.23	2.23 %	85.42 %
130°	22.42	876.65	2.24 %	87.66 %
135°	21.97	898.62	2.20 %	89.86 %
140°	20.72	919.34	2.07 %	91.93 %
145°	18.82	938.16	1.88 %	93.82 %
150°	16.76	954.92	1.68 %	95.49 %
155°	14.66	969.58	1.47 %	96.96 %
160°	12.15	981.73	1.22 %	98.17 %
165°	9.06	990.80	0.91 %	99.08 %
170°	5.74	996.53	0.57 %	99.65 %
175°	2.75	999.29	0.28 %	99.93 %
180°	0.71	1000.00	0.07 %	100.00 %

Luminaire
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Measurem.
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Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire
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Name YUYUN_S11L_SIST_24VDC
Measurem.
Code
Name YUYUN_S11L_SIST_24VDC

Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.500889	y =0.412669
CIE1960	u =0.288271	v =0.356248
CIE1976	u'=0.288271	v'=0.534372
D(u,v)	0.00083	

Color rendering index (CRI)
Color Rendering Components

CCT = [2229 K]*

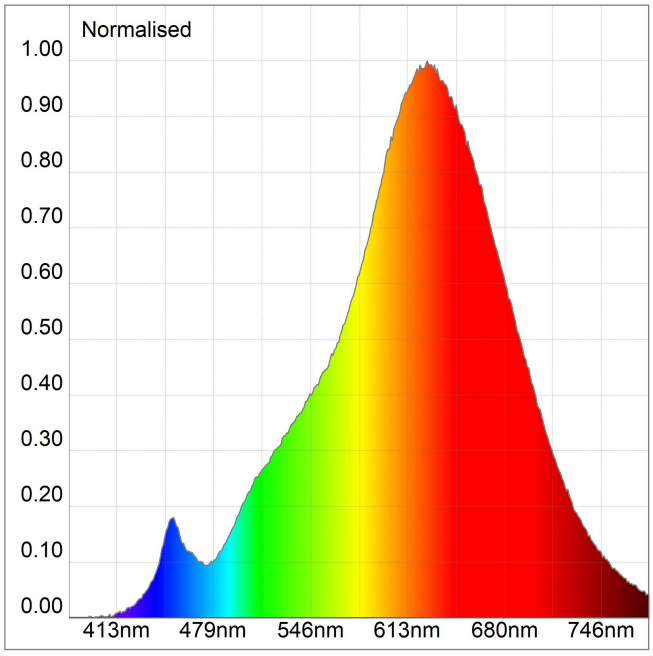
CRI8(Ra) [92.4]* CRI15(Rav) [90.7]*

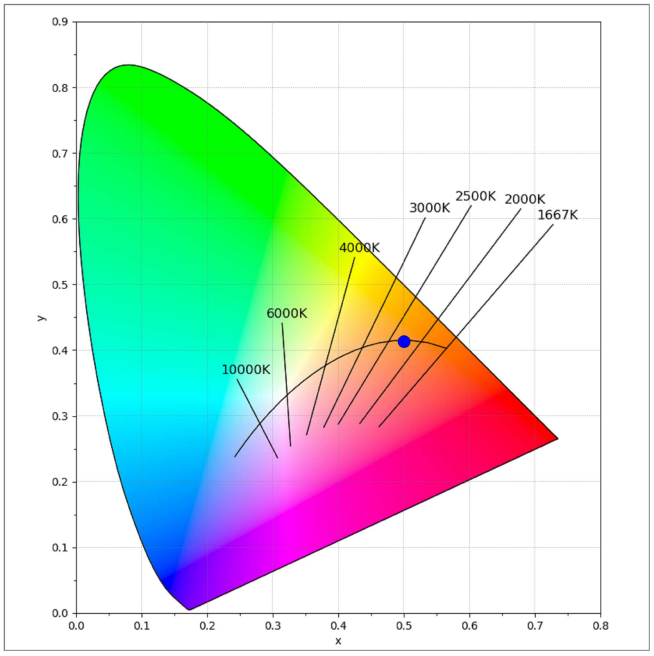
R 1: 93.0	R 2: 97.8	R 3: 97.9	R 4: 93.2	R 5: 93.7
R 6: 97.5	R 7: 88.8	R 8: 77.3	R 9: 54.8	R10: 94.7
R11: 96.1	R12: 94.4	R13: 94.6	R14: 99.5	R15: 87.3

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.000535	386.0	0.000241	392.0	0.000571
398.0	0.001396	404.0	0.001410	410.0	0.002971
416.0	0.007842	422.0	0.017266	428.0	0.032806
434.0	0.050432	440.0	0.082014	446.0	0.146043
452.0	0.179856	458.0	0.133813	464.0	0.117266
470.0	0.101439	476.0	0.094245	482.0	0.108633
488.0	0.133813	494.0	0.165468	500.0	0.205755
506.0	0.235971	512.0	0.260432	518.0	0.278417
524.0	0.305755	530.0	0.331655	536.0	0.353957
542.0	0.377698	548.0	0.404317	554.0	0.435252
560.0	0.464029	566.0	0.494964	572.0	0.545324
578.0	0.597842	584.0	0.659712	590.0	0.726619
596.0	0.791367	602.0	0.863309	608.0	0.906475
614.0	0.949640	620.0	0.985612	626.0	0.992806
632.0	0.992806	638.0	0.964029	644.0	0.935252
650.0	0.884892	656.0	0.841727	662.0	0.791367
668.0	0.733813	674.0	0.667626	680.0	0.611511
686.0	0.551799	692.0	0.491367	698.0	0.434532
704.0	0.375540	710.0	0.325180	716.0	0.278417
722.0	0.235252	728.0	0.194964	734.0	0.167626
740.0	0.140288	746.0	0.120144	752.0	0.100719
758.0	0.083453	764.0	0.070360	770.0	0.058273
776.0	0.047626				

Spectrum Graph

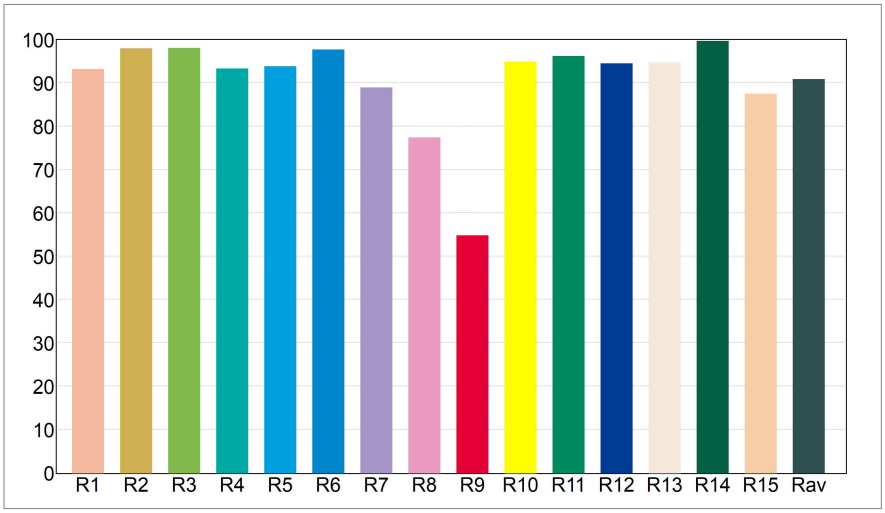


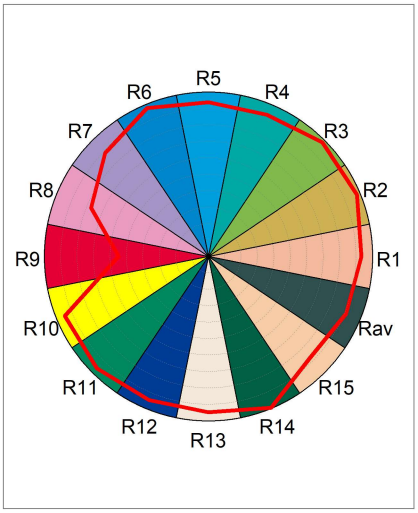


Luminaire
Code 11723234356
Name YUYUN_S11L_SIST_24VDC
Measurem.
Code
Name YUYUN_S11L_SIST_24VDC

Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

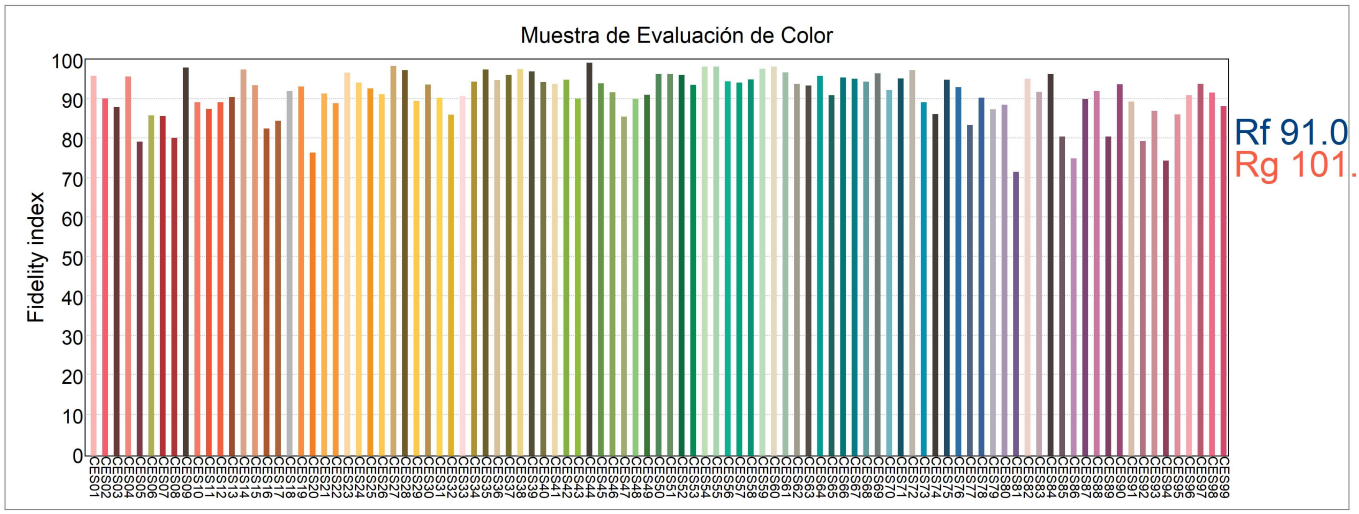
CRI Graphs



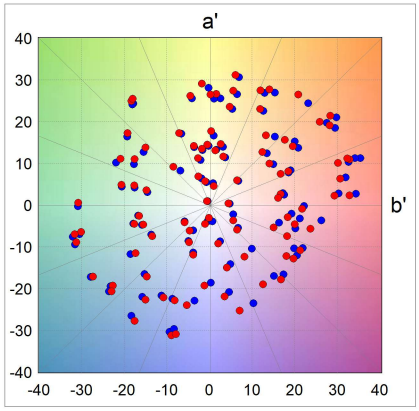


Luminaire
Code 11723234356
Name YUYUN_S11L_SIST_24VDC
Measurem.
Code
Name YUYUN_S11L_SIST_24VDC

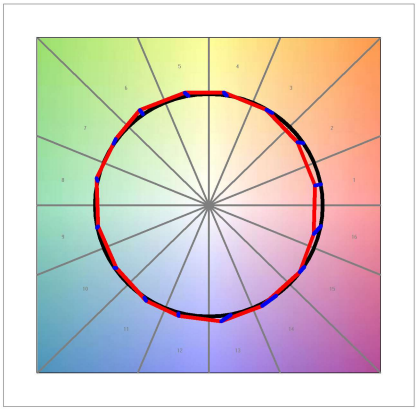
Luminaire Flux	2640 lm	Luminaire Power	79.2 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2640 lm	Maximum value	488.69 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical



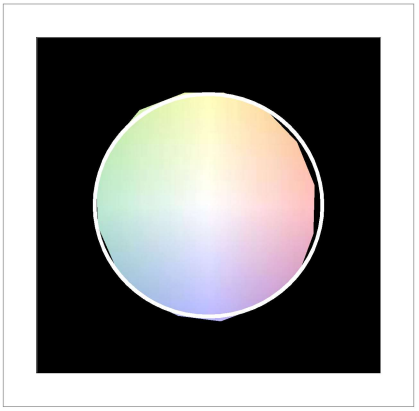
Chromatic Coordinates (a', b') 99 CES



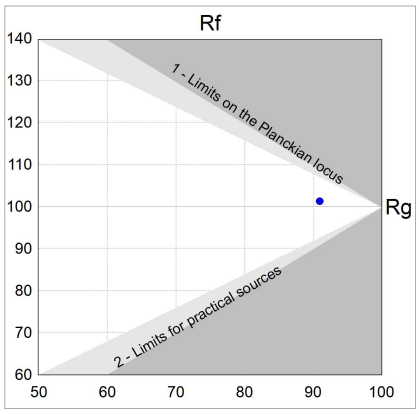
Color Vector Graphic



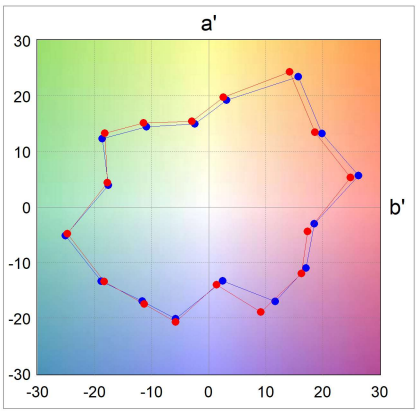
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

